

Customer No. 28880

Confirmation No. 9823

PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/075,954
Filing Date	February 13, 2002
First Named Inventor	Charles Andrianjara
Art Unit	1624
Examiner Name	Truong, Tamthom Ngo
Attorney Docket Number	A0000476-01-CFP

Sheet 1 of 6

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TNT	✓	US- 3,655,679	04-11-1972	Shen, et al.	260/295
	✓	US- 5,521,181	05-28-1996	Meyer, et al.	514/249
	✓	US- 2003/0004172 A1	01-02-2003	Harter, et al.	514/260.1
	✓	US- 2003/0078276 A1	04-24-2003	Andrianjara, et al.	514/260.1
	✓	US- 2002/0151558 A1	10-17-2002	Andrianjara, et al.	514/267
	✓	US- 6,656,932 B2	12-02-2003	Picard, et al.	514/223.2
	✓	US- 2002/0156069 A1	10-24-2002	Picard, et al.	514/223.2
	✓	US- 2003/0144274 A1	07-31-2003	Bunker, et al.	514/223.2
	✓	US- 2003/0130278 A1	07-10-2003	Gaudilliere, et al.	514/228.5
	✓	US- 2003/0216402 A1	11-20-2003	Gaudilliere, et al.	514/257
	✓	US- 2003/0220355 A1	11-27-2003	Gaudilliere, et al.	514/266.2
	✓	US- 2004/0006077 A1	01-08-2004	Gaudilliere, et al.	514/227.8
	✓	US- 2004/0063673 A1	04-01-2004	Johnson	514/114
	✓	US- 2004/0044000 A1	03-04-2004	Bunker, et al.	514/248
	✓	US- 2004/0038961 A1	02-26-2004	Bunker, et al.	514/210.21
	✓	US- 2004/0038959 A1	02-26-2004	Bunker, et al.	514/210.21
	✓	US- 2004/0043985 A1	03-04-2004	Hicks, et al.	514/210.21
	✓	US- 2004/0034009 A1	02-19-2004	Roark	514/210.21
TNT	✓	US- 2004/0043986 A1	03-04-2004	Nahra, et al.	514/210.21

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
TNT	✓	JP1996143568A	06-04-1996	Hiroko, et al.		
	✓	WO 02/064,599 A1	08-22-2002	Dyer, et al.		
	✓	WO 02/064,598 A1	08-22-2002	Harter, et al.		
	✓	WO 02/064,080 A2-A3	08-22-2002	Andrianjara, et al.		
	✓	WO 02/064572 A1	08-22-2002	Andrianjara, et al.		
TNT	✓	WO 02/064595 A1	08-22-2002	Andrianjara, et al.		

Examiner
SignatureDate
Considered

1/18/05

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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09/15/2004 MPEPOMER 00000107 10075954

01 FC:1806

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	6
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Complete if Known

Application Number	10/075,954
Filing Date	February 13, 2002
First Named Inventor	Charles Andrianjara
Art Unit	1624
Examiner Name	Truong, Tamthom Ngo
Attorney Docket Number	A0000476-01-CFP

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (# known)				
DUT ✓		WO 02/064578 A1 ✓	08-22-2002	Picard, et al.		
I ✓		WO 03/032999 A1 ✓	04-24-2003	Bunker, et al.		
I ✓		WO 03/033478 A1 ✓	04-24-2003	Gaudilliere, et al.		
I ✓		WO 03/076417 A2-A3 ✓	09-18-2003	Gaudilliere, et al.		
I ✓		WO 04/000322 A1 ✓	12-31-2004	Gaudilliere, et al.		
TNI ✓		WO 04/014384 A2 ✓	02-19-2004	Johnson		

**Examiner
Signature**

Date Considered

9/18/05

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Sheet	3	of	6
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U. S. PATENT DOCUMENTS

[illegible]

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ² Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
		WO 04/014379 A1	02-19-2004	Bunker, et al.		
		WO 04/014378 A1	02-19-2004	Bunker, et al.		
		WO 04/014388 A1	02-19-2004	Hicks, et al.		
		WO 04/014921 A1	02-19-2004	Roark		
		WO 04/014354 A1	02-19-2004	Roark		
		WO 04/014869 A2	02-19-2004	Nahra, et al.		

Examiner Signature	<i>Ullom</i>	Date Considered	1/18/05
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Sheet	4	of	6
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U. S. PATENT DOCUMENTS

[illegible]

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
		WO 04/014389 A1	02-19-2004	O'Brien		
		WO 04/014377 A1	02-19-2004	Li		
		WO 04/014880 A1	02-19-2004	Ortwine		
		WO 04/014866 A1	02-19-2004	Bunker, et al.		

**Examiner
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Date Considered

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PTO/SB/088 (08-03)

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Examiner Name	Truong, Tamthom Ngo
Attorney Docket Number	A0000476-01-CFP

Sheet	5	of	6
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NON PATENT LITERATURE DOCUMENTS

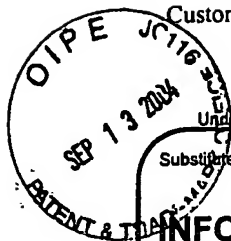
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TNT	✓	NEJJELIJKO KUJUNDZIC AND BERISLAV GLUNCIC, "Synthesis of 8-Methyl-1,2,3,4-tetrahydropyrido-[3,4-d]pyrimidine-2,4-diones", Croatica Chemica Acta, 1991, 64 (4) 599-606	✓
	✓	HIROTA, et al., "Novel Synthesis of Pyrido[3,4-d]pyrimidines, Pyrido[2,3-d]-pyrimidines, and Quinazolines via Palladium-Catalyzed Oxidative coupling", Heterocycles, 1994; 37(1):563-570	
	✓	LOVEJOY, et al., "Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors", Nature Structural Biol., 1999; 6:217-221	
	✓	MOY, et al., High-resolution solution structure of the catalytic fragment of human collagenase-3 (MMP-13) complexed with a hydroxamic acid inhibitor", J. Mol. Biol., 2000; 302, 671-689	
	✓	MITCHELL, et al., "Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage", J. Clin. Invest., 1996; 97(3):761-768	
	✓	NEUHOLD, et al., "Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice", J. Clin. Invest., 2001; 107: 35-44	
	✓	DAHLBERG, et al., "Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor that Snarcs Collagenase I (Matrix Metalloproteinase 1)", Arthrit. & Rheum. 2000; 43(3): 673-682	
	✓	BILLINGHURST, et al., "Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase". Arthrit. & Rheum. 2000; 43(3): 664-672	
	✓	BILLINGHURST, et al., "Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage", J. Clin. Invest., 1997; 99:1534-1545	
TNT	✓	Office Action from 10/264,764 (PC20536) mailed 6/16/2003.	

Examiner Signature		Date Considered	1/18/05
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				Attorney Docket Number	A0000476-01-CFP

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TNT ✓	✓	WERNICKE, et al., "Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis", J. Rheum., 1996, 23(4) 590-595	
	✓	REBOUL, et al., "The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not Synoviocytes", J. Clin. Invest. 1996, 97(9), 2011-2019	
	✓	FREEMONT, et al., "In Situ Zymographic Localisation of Type II Collagen Degrading Activity in Osteoarthritic Human Articular Cartilage", Ann. Rheum. Dis., 1999, 58, 357-365	
TNT ✓	✓	SPINALE, et al., "A Matrix Metalloproteinase Induction/Activation System Exists in the Human Left Ventricular Myocardium and is Upregulated in Heart Failure", Circulation, 2000, 102(16) 1944-1949	

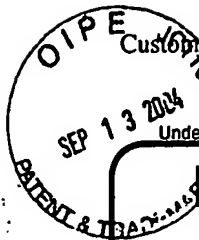
Examiner Signature		Date Considered	1/18/05
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PTO/SB/17 (10-03)

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FEE TRANSMITTAL
for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 180.00**Complete if Known**

Application Number	10/075,954
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Attorney Docket No.	A0000476-01-CFP

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
Deposit
Account
Name

23-0455

Warner-Lambert Company LLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		Extra Claims		Fee from below	Fee Paid
Independent	Multiple Dependent	-20** =	-3** =		
				X	0.00
				X	0.00

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Claude F. Purchase, Jr.	Registration No. (Attorney/Agent)	47,871	Telephone	734-622-1692
Signature	Claude F. Purchase, Jr.	Date	September 10, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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